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In re Application of
Paul J. Carter et al.
Serial No. 07/715272
Filed: June 14, 1991



For: Immunoglobulin Variants

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Chothia *et al.*, *J. Mol. Biol.* 186:651-663 (1985)
Novotny and Haber, *Proc. Natl. Acad. Sci. USA* 82:4592-4596 (1985)
Cabilly *et al.*, U.S. patent No. 4,816,567
Morrison, S. L. *et al.*, *Proc. Natl. Acad. Sci. USA* 81:6851-6855 (1984)
Boulianne, G. L. *et al.*, *Nature* 312:643-646 (1984)
Neuberger, M. S. *et al.*, *Nature* 314:268-270 (1985)
Brüggemann, M. *et al.*, *J. Exp. Med.* 166:1351-1361 (1987)
Riechmann, L. *et al.*, *Nature* 332:323-327 (1988)
Love *et al.*, *Methods in Enzymology* 178:515-527 (1989)
Bindon *et al.*, *J. Exp. Med.* 168:127-142 (1988)
Jones, P. T. *et al.*, *Nature* 321:522-525 (1986)
Verhoeven, M. *et al.*, *Science* 239:1534-1536 (1988)
Hale, G. *et al.*, *Lancet* i:1394-1399 (1988)
Queen, C. *et al.*, *Proc. Natl. Acad. Sci. USA* 86:10029-10033 (1989)
Co *et al.*, *Proc. Natl. Acad. Sci. USA* 88:2869-2873 (1991)
Gorman *et al.*, *Proc. Natl. Acad. Sci. USA* 88:4181-4185 (1991)
Daugherty *et al.*, *Nucleic Acids Research* 19(9):2471-2476 (1991)

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Brown *et al.*, *Proc. Natl. Acad. Sci. USA* **88**:2663-2667 (1991)
Junghans *et al.*, *Cancer Research* **50**:1495-1502 (1990)
Davies, D. R. *et al.*, *Ann. Rev. Biochem.* **59**:439-473 (1990)
Chothia, C. & Lesk, A. M., *J. Mol. Biol.* **196**:901-917 (1987)
Chothia, C. *et al.*, *Nature* **342**:877-883 (1989)
Tramontano, A. *et al.*, *J. Mol. Biol.* **215**:175-182 (1990)
Margolies *et al.*, *Proc. Natl. Acad. Sci. USA* **72**:2180-2184 (1975)
Pluckthun, *Biotechnology* **9**:545-51 (1991)
Spiegelberg *et al.*, *Biochemistry* **9**:4217-4223 (1970)
Wallick *et al.*, *J. Exp. Med.* **168**:1099-1109 (1988)
Sox *et al.*, *Proc. Natl. Acad. Sci. USA* **66**:975-982 (1970)
Margni *et al.*, *Ann. Rev. Immunol.* **6**:535-554 (1988)
Fendly, B. M. *et al.*, *Cancer Res.* **50**:1550-1558 (1990)
Neuberger *et al.*, *Nature* **312**:604-608 (1984)
Takeda *et al.*, *Nature* **314**:452-454 (1985)
Snow and Amzel, *Protein: Structure, Function, and Genetics* 1:267-279, Alan R. Liss, Inc. pubs. (1986)
Cheetham, J., *Protein Engineering*, **2**(3): 170-172 (1988)
WO 91/09967, pub. 07/11/91, Adair *et al.*

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Respectfully submitted,
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Dated: April 30, 1992